

A91964Ra02

Polyclonal Antibody to Calpain 1, Large Subunit (CAPN1)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES

5th Edition (Revised in January, 2013)

[PRODUCT INFORMATION]

Immunogen: CAPN1

Clonality: Polyclonal

Host: Rabbit

Species Reactivity: Rat

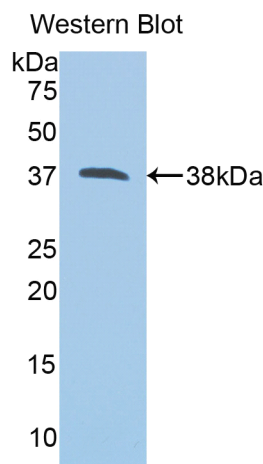
Ig type: Rabbit IgG

Purification: Antibodies are purified by target protein affinity chromatography.

Applications: WB, ICC, IHC-P, IHC-F

Form: Liquid

Size: 100μg



Sample: Recombinant rat CAPN1

[IMMUNOGEN INFORMATION]

Immunogen: Recombinant rat CAPN1 (Tyr387~Asp694) expressed in *E.coli*.

Molecular Weight: 37.5kDa

USCN accession No.: P91964Ra02

Sequence: The target protein is fused with N-terminal His-Tag and its sequence is listed below.

MGHHHHHHSGSEF- YPAT FWVNPQFKIR LEEVDDADDY DSRESGCSFL LALMQKHRRR
ERRFGRDMET IGFAVYQVPR ELAQPVHLK RFFFLANASR AQSEHFINLR EVSNRIRLPP
GEYIVVPSTF EPNKEGDFLL RFFSEKKAGT QELDDQIQAN LPDEKVLSEE EIDDNFKTLF
SKLAGDDMEI SVKELQNILN RIISKHKDLR TNGFSLESCR SMVNLMDRDG NGKLGLEVEFN

Unique product Superb quality Client favorite Nicest service  ISO9001:2008;  ISO13485:2003; 

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ILWNRIRNYL TIFRKFDLDK SGMSAYEMR MAIEAAGFKL NKKLHELIIT RYSEPDLAVD
FDNFVCCLVR LETMFRFFKI LDTD

[ANTIBODY SPECIFICITY]

Anti CAPN1 is a rabbit polyclonal antibody raised against rat CAPN1. This antibody has been selected for its ability to recognize rat CAPN1 in immunohistochemical staining and western blotting, non cross-reactive with other members of the family.

[APPLICATIONS]

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

Optimal working dilutions must be determined by end user.

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH 7.4, containing 0.02% Na₃N, 50% glycerol.

[QUALITY CONTROL]

Content: The quality control contains recombinant rat CAPN1 (Tyr387~Asp694) disposed in loading buffer.

Usage: 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate.

5uL per well when used in enhanced chemiluminescent (ECL).

Note: The quality control is specifically manufactured as the positive control. Not used for other purposes.

Loading buffer: 100mM Tris(PH 8.8), 2%SDS, 200mM NaCl, 50% glycerol, BPB 0.01%, Na₃N 0.02%.

[STORAGE]

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.